

Clean Water Fund grant progress report

Blue Earth County Targeted Ditch inventory

Grant ID: C15-8951

Organization: Blue Earth County.

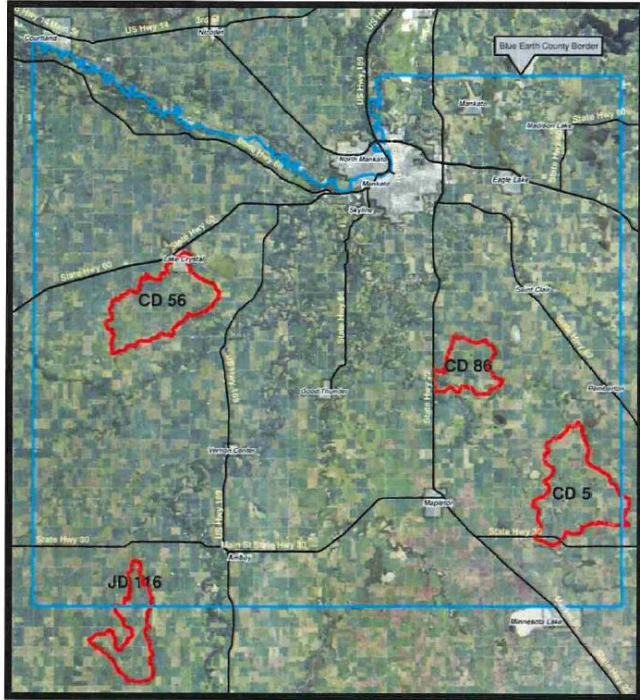


Figure 1: Watershed Locations

The Blue Earth County Targeted Ditch inventory was developed to conduct an inventory and evaluation of four county ditches systems. The inventory will document specific items of interest including tile inlets, sedimentation, erosion, sloughing and the overall condition of each system. the inventory is these ditch systems will also identify areas where best management practices (BMPs) can supplement drainage project utilizing methods aimed at reducing peak flows and erosion, trapping sediment, reducing nutrient loading and improving water quality throughout each watershed and their receiving waters.

Project Deliverables

- A report defining multi-purpose drainage management best management practices (BMPs) that can be applied to an open ditch system or throughout a watershed will be created.
- The report will identify water quality preventive measures that can be applied to the existing landscape without dramatically changing the current land use. Preventive

measures identified in the report include cover crops, residue management, nutrient Management and Crop Rotation

- The report will identify water control structures for water control structures and include a variety of weirs, drop inlets, stop log weirs, culverts or baffles and the possible establishment of two stage ditches. The water quality benefits associated with these structures include sedimentation, reducing flow rates and providing wildlife habitat.
- The report will be presented to the landowners of the four targeted watersheds

Project Coordinator

Craig Austinson

Ditch Manager

Blue Earth County

Grant - \$95,000.00

Spent \$87,420.00

Results

- The inventory and report is complete N:\LandRec\DITCH\2015 FY COMP GRANT\CD05_INV_REPORT_02292016.pdf
- Landowner meetings were held
 - CD 56 – September 2, 2015
 - CD 56 – February 26, 2016
 - CD 5 – March 2, 2016
 - CD 86 – March 2, 2016
 - JD 116- March 4, 2016
- At the September 2, 2015 landowner meeting the CD 56 landowners requested Blue Earth County Soil and Water and the Blue Earth County Drainage Authority apply for grants to implement some of the BMPs listed in the report.
- At the February 26, 2016 landowner meeting the CD 56 landowners requested the alternative side inlets be installed during future repairs to the system.
- At the March 2, 2016 landowner meeting the CD 86 landowners supported the report recommendations to replace intakes with the alternative side inlets recommended in the report. There was also support for the enhancement of the two stage ditch that is naturally forming along portions of CD 86.



- **Grant All-Detail Report**
- **Soil Erosion and Drainage Law Compliance (SEDLCP) 2015**

-
-
- **Grant Title** - Blue Earth County Targeted Ditch Inventory
- **Grant ID** - C15-8951
- **Organization** - Blue Earth County
-

Grant Awarded Amount	\$95,000.00	Grant Execution Date	3/19/2015
Required Match Amount	\$23,750.00	Grant End Date	12/31/2018
Required Match %	25%	Grant Day To Day Contact	Craig Austinson

-
- **Budget Summary**

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$95,000.00	\$87,420.00	\$7,580.00
Total Match Amount	\$23,750.00	\$0.00	\$23,750.00
Total Other Funds	\$0.00	\$0.00	\$0.00
Total	\$118,750.00	\$87,420.00	\$31,330.00

- **Grant balance remaining is the difference between the Awarded Amount and the Spent Amount. Other values compare budgeted and spent amounts.*

- **Budget Details**

Activity Name	Activity Category	Source Type	Source Description	Budget ed	Spent	Last Transac tion Date	Matc hing Fund
Development of Multi-Purpose Drainage Management Plan	Conservation Drainage	Current State Grant	Blue Earth County Targeted Ditch Inventory	\$20,000.00	\$12,420.00	1/15/2016	N

Activity Name	Activity Category	Source Type	Source Description	Budget ed	Spent	Last Transaction Date	Matching Fund
Development of Multi-Purpose Drainage Management Plan	Conservation Drainage	Landowner Fund	Water quality practices installed by landowners	\$23,750.00			Y
Ditch Inventory	Agricultural Practices	Current State Grant	Blue Earth County Targeted Ditch Inventory	\$75,000.00	\$75,000.00	9/15/2016	N
Ditch Inventory	Agricultural Practices	Local Fund	Blue Earth County and or SWCD in-kind match	\$0.00			Y

-

-

- **Activity Details Summary**

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
301M - Inspections	1	0	71338 LINEAR FEET	0 LINEAR FEET
301M - Inspections	1	0	23542 LINEAR FEET	0 LINEAR FEET
301M - Inspections	1	0	13009 LINEAR FEET	0 LINEAR FEET
301M - Inspections	1	0	47806 LINEAR FEET	0 LINEAR FEET

-

-

- **Proposed Activity Indicators**

Activity Name	Indicator Name	Value & Units	Waterbody	Calculation
---------------	----------------	---------------	-----------	-------------

-

- **Final Indicators Summary**

Indicator Name	Total Value	Unit
----------------	-------------	------